

ICACS - Industrial Cooling Applied Chiller Service Freeport, New York



When [ICACS](#) was looking for a new speed sensing product for their Steam TurboChyll Products, a Google search led them to their Electro-Sensors solution. The original sensing equipment included a photo tachometer and reflective tape. This proved to be problematic. Over time, the steam would loosen the tape's adhesive and cause it to fall off, thus making it a bad combination for this type of environment.

While president and founder of ICACS, Vito Costanza, was searching for a more rugged solution to the demanding needs of accurate, yet attractive RPM sensing requirements, he came across Electro-Sensors' website and its [Series 18 Stainless Steel Speed Sensors](#). These versatile sensors are epoxy filled and sealed against liquids, making them perfect for a steam-heavy environment. What makes these sensors unique is that they have many options including; PNP or NPN output, single or bidirectional (quadrature) signaling, Hall Effect or Magnetoresistive sensing, open-collector or terminated outputs, standard and wide temperature ranges, and you can also choose from four different housing options. By pairing the appropriate Series 18 model with a non-corrosive Aluminum [Split Collar Pulser Wrap](#) to provide the magnetic targets, they now had the perfect rugged speed monitoring system they were seeking.

ICACS became an Electro-Sensors customer in August 2012 and has been ordering Series 18 sensors and aluminum pulser wraps regularly since then. When asked to provide some of the biggest benefits of using Electro-Sensors products, vice president of ICACS Dominic DiDonna said, "Customers are no longer having to make nuisance service calls saving customer downtime and we can provide very accurate control to RPM targets demanded by our [TurboChyll LeeF Control System](#)."

Providing rugged and very specific solutions is what we do best at Electro-Sensors. We want to supply every customer with the exact product that fits their application, that is why many of our products have so many options and can be customized. We are happy to report that ICACS has been satisfied with the service and support they have received from Electro-Sensors and would definitely recommend us to other companies.



"Electro-Sensors products were a perfect fit for our application with reasonable costs".

– Dominic DiDonna
Vice President

ICACS Series 18 – Model# 18EMSP0

- **E** = m18x1 housing with 5-pin male M12 (eurofast) connector - not cored
- **M** = Magnetoresistive sensing
- **S** = Single Signal
- **P** = PNP Sourcing Output
- **O** = Open-Collector Output